

SCHULADUR® A BS 40 HI

Polybutylene Terephthalate

A. Schulman Europe

Message:

40% Barium sulfate filled, impact modified PBT-grade

General Information			
UL YellowCard	E344659-100854530	E86615-100707927	
Filler / Reinforcement	Barium sulfate, 40% filler by weight		
Features	Impact modification		
	Low warpage		
	Excellent appearance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.78	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	40.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3800	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	44.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.8	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.0	kJ/m²	ISO 179/1eA
23°C	4.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	20	kJ/m²	ISO 179/1eU
23°C	20	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	167	°C	ISO 75-2/Bf
1.8 MPa, not annealed	76.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	208	°C	ISO 306/A50
--	157	°C	ISO 306/B50
Ball Pressure Test (200°C)	Pass		IEC 60695-10-2
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
1.50 mm	HB		IEC 60695-11-10, -20

3.00 mm	HB		IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	700	°C	IEC 60695-2-12
3.00 mm	700	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
1.50 mm	725	°C	IEC 60695-2-13
3.00 mm	725	°C	IEC 60695-2-13

Additional Information

- 1.)
- Not for use in food contact applications2.)
- Not for use in medical or pharmaceutical applications

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